

**Amendments to the Claims**

Please cancel Claims 6, 7, 11-14, 21, 22 and 25-36. Please amend Claims 1, 3, 4, 15, 18, 19 and 37-40. The Claim Listing below will replace all prior versions of the claims in the application:

**Claim Listing**

1. (Currently amended) A method of classifying a lymphoma sample according to predicted treatment outcome comprising ~~the steps of:~~
  - a) ~~isolating a gene expression product from two or more informative genes from one or more cells in said sample; and~~
  - ~~b) determining a gene expression profile of gene expression products from two or more of the informative genes, wherein the gene expression products are isolated from one or more cells in the sample,~~  
wherein the gene expression profile is correlated with a treatment outcome, thereby classifying the sample with respect to treatment outcome.
2. (Original) A method according to Claim 1, wherein the lymphoma sample is a diffuse large cell lymphoma sample.
3. (Currently amended) A method according to Claim 1, wherein the gene expression products are ~~product is~~ mRNA.
4. (Currently amended) A method according to Claim 3, wherein the gene expression profile is determined using hybridization probes specific to the two or more ~~of the~~ informative genes.
5. (Original) A method according to Claim 3, wherein the gene expression profile is determined using oligonucleotide microarrays.

6. and 7. (Canceled)

8. (Original) A method according to Claim 1, wherein the predicted treatment outcome is survival after treatment.

9. through 14. (Canceled)

15. (Currently amended) A method of classifying a sample according to lymphoma type comprising ~~the steps of:~~

- ~~a) isolating a gene expression product from at least one informative gene from one or more cells in said sample; and~~
- ~~b) determining a gene expression profile of gene expression products from two or more ~~of the~~ informative genes, wherein the gene expression product is isolated from one or more cells in the sample,~~

wherein the gene expression profile is correlated with a lymphoma type, thereby classifying the sample with respect to lymphoma type.

16. (Original) A method according to Claim 15, wherein the lymphoma type is diffuse large cell lymphoma.

17. (Original) A method according to Claim 15, wherein the lymphoma type is follicular lymphoma.

18. (Currently amended) A method according to Claim 15, wherein the gene expression products are ~~product is~~ mRNA.

19. (Currently amended) A method according to Claim 18, wherein the gene expression profile is determined using hybridization probes specific to the two or more ~~of the~~ informative genes.

20. (Original) A method according to Claim 18, wherein the gene expression profile is determined using oligonucleotide microarrays.
21. through 36. (Canceled)
37. (Currently amended) The method of Claim 1, wherein the a gene expression products are ~~product~~ is isolated from at least five informative genes from one or more cells in said sample and wherein a gene expression profile of said at least five informative genes is determined.
38. (Currently amended) The method of Claim 1, wherein the a gene expression products are ~~product~~ is isolated from at least ten informative genes from one or more cells in said sample and wherein a gene expression profile of said at least ten informative genes is determined.
39. (Currently amended) The method of Claim 15, wherein the a gene expression products are ~~product~~ is isolated from at least five informative genes from one or more cells in said sample and wherein a gene expression profile of said at least five informative genes is determined.
40. (Currently amended) The method of Claim 15, wherein the a gene expression products are ~~product~~ is isolated from at least ten informative genes from one or more cells in said sample and wherein a gene expression profile of said at least ten informative genes is determined.